DOCUMENT RESUME

ED 084 420 CE 000 598

TITLE	State Research Coordinating Unit Activities for the Period July 1, 1972--December 31, 1972. Semiannual Report.
INSTITUTION	Bureau of Adult, Vocational, and Technical Education (DHEW/OE), Washington, D.C.
PUB DATE	Jun 73
NOTE	79p.
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	Coordination; *Educational Research; Reports; *Research Coordinating Units; *Research Projects; *State Programs; *Vocational Education
IDENTIFIERS	Vocational Education Amendments of 1968

ABSTRACT

In an alphabetical listing by States, the report summarizes the research activities of the State Research Coordinating Units (RCU's) conducted under Section 131 (6) of Part C of the Vocational Education Amendments of 1968 during the first six months of fiscal year 1973. The report's purpose is to provide information that will assist States to be aware of research and development conducted by other States, thereby facilitating exchange of information and reducing duplication of effort. This is the sixth in a series of compilations of State Quarterly Research Activity Reports in which the names of the State Director of Vocational Education and the RCU Director are listed for each State, together with projects completed, new projects funded, research related activities, and projects and activities planned. (AG)

ED 084420

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

JULY 1, 1972 - DECEMBER 31, 1972

U.S. DEPARTMENT OF HEALTH
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Caspar W. Weinberger, Secretary
S.P. Marland, Jr., Assistant Secretary for Education

Office of Education
John Ottina, U.S. Commissioner of Education - designate

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William F. Pierce, Deputy Commissioner

Center for Adult, Vocational, Technical and Manpower Education
Robert M. Worthington, Associate Commissioner

Division of Vocational and Technical Education
Michael Russo, Acting Director

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JUNE 1973

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JUNE 1973

FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. This report covers the first six months of Fiscal Year 1973. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by staff members of the Program Development and Operations Branch of the Division of Vocational and Technical Education. This is the sixth in a series of reports on the activities of the State RCU's. The first report was entitled Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970 (ED-053-293), and covered the period from July 1, 1969 to June 30, 1970. The second report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381). The third report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971 (ED-067-463). The fourth report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971(ED-068-718). The fifth report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1972 to June 30, 1972. Copies of these previous reports can be obtained from the ERIC Document Reproduction Service.

Michael Russo
Acting Director
Division of Vocational
and Technical Education

June, 1973

INTRODUCTION

During the first half of fiscal year 1973, no appropriation became available to the States under Section 131(b) of Part C of the Vocational Education Amendments of 1968. Therefore, it was necessary for the States to proceed with their research programs under a continuing resolution, which provided for a continuation of the program at last year's quarterly level of expenditure. The uncertainties associated with this type of funding had a detrimental effect on the planning and managing of the State research programs.

Working on the assumption that the appropriation which would ultimately become available would be at last year's level of $9 million, it was assumed that for fiscal year 1973 the minimum amount of research funding for a State would be $11,855 allocated for Alaska and the maximum would be $751,698 allocated for California. About 60 percent of the States were expected to receive more than $100,000 for research and development by the end of fiscal year 1973. These funds could be used for paying up to 75 percent of the costs of the State Research Coordinating Unit (RCU) and for grants and contracts covering 90 percent of the costs of research and/or developmental projects.

By the middle of the fiscal year, nearly half of the States reported the expenditure of 1973 funds for grants and contracts. A number of States continued to fund new research projects with carry-over monies from their 1972 allotments. However, only 27.2 percent of the $9 million anticipated for 1973 had been reported approved for grants and contracts. This low level of expenditures has been attributed to the uncertainty about the availability of funds under the continuing resolution. It is anticipated that the percentage will rise in the second half of fiscal year 1973.

The RCU's have continued to provide the leadership for the States' R&D programs in vocational education. In providing this leadership, the RCU's have given assistance to State vocational agencies and personnel, graduate students, teachers and a variety of other interested parties. They have also played a major role in long-range planning and the development of vocational research priorities. One of the most important activities of the RCU's is the disseminating of the results of research. In addition to the operation of their own dissemination efforts, the RCU's are a vital part of the national network of contributors to the ERIC collection. During the second quarter of fiscal year 1973, 71 project reports were submitted to USOE by RCU's for transmittal to the ERIC Clearinghouse at the Center for Vocational and Technical Education at Ohio State University. Of those reports, 70 were processed by the Clearinghouse

and USOE was notified of the results of the processing: 37 percent of those reports will be listed in Research in Education, 60 percent of them will appear in ARM, and 31.4 percent were selected for the Supportive Information Component of the Comprehensive Career Education Model. The high acceptance-for-processing rate of these documents could imply that the quality of research supported by the RCU's is high.

For the first half of fiscal year 1973, career education ranked first on the list of priorities for research projects; twenty States funded seventy projects that related to aspects of the career education concept. This first priority was followed by a much smaller number of followup studies, evaluations, competency studies, manpower studies, and programs related to health careers. In addition, the States have continued to fund projects for the expansion and improvement of their ongoing vocational programs.

The Semiannual Report which follows is a compliation of State Quarterly Research Activity Reports covering the first two quarters of fiscal year 1973 which have been received from the States. Additional information on projects listed under the category of "new projects funded" may be located in the "Research Projects in Progress" section of Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), published quarterly by the ERIC Clearinghouse on Vocational and Technical Education. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the quarterly issues of ARM. All reported research projects administered by the State educational agency were included in this report, whether or not they were funded under Section 131(b) of Part C.

Summaries of

State Research Coordinating Unit

Quarterly Reports

for the period

July 1, 1972 - December 31, 1972

ALABAMA

T. L. Faulkner, State Director of Vocational Education

David E. Sawyer, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Occupational Research and Development Unit"

RESEARCH RELATED ACTIVITIES:

1. Determination of Nurse Aid Standards for Alabama
2. Status of Career Education in Alabama
3. Status of Industrial Arts in Alabama
4. Technical Institutes Enrollments
5. Development of Program Evaluation Format
6. Needs Analysis for Vocational Training of Prisoners
7. Plan and Conduct Career Education Workshop
8. Determination of Possible Course Offerings for Given Technical Institutes
9. Evaluate Reports of Contracted Research Groups
10. Determination of Training Requirements for Mental Health Workers
11. Data Collection for HEW Telecommunications Application
12. Annual Federal, State, C.A.M.P.S. and Appalachian Regional Commission Reports
13. Annual Statistical Data Collection
14. Development and Implementation of Research Staff Activity Reporting System
15. Development and Implementation of Vocational Information Reporting System

16. Development of Local Application for Vocational Programs

17. Development of a Comprehensive Manpower Supply and Demand Information System

18. Implementation of Information Dissemination and Publication Service

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of Manpower Information Data System

2. Development of Annual Plan for Research Program

3. Further Implementation of VIRS

ALASKA

Louis Ridle, State Director of Vocational Education

Ernest E. Polley, Coordinator, Research, Planning and Information

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Vocational Education Property File Feasibility Study"

2. "Project VIEW"

3. "Statewide Student Followup"

4. "Pilot Student Followup"

RESEARCH RELATED ACTIVITIES:

1. A feasibility study was conducted relative to initiating the property subsystem of a computerized management information system for Vocational Education. The basic research and analysis indicated that such a subsystem was not economically feasibile at this time

PROJECTS AND ACTIVITIES PLANNED:

1. The Office of Research, Planning and Information will provide the basic research and analysis necessary to develop State and local information on the 100 most applicable job opportunities, by DOT code, for implementation of a modified VIEW vocational guidance information system. The actual descriptions will be written and readied for reproduction by the end of the fiscal year.

2. Research activities focus on exploring the possibility of utilizing Department of Revenue information files for student followup. Cooperative agreements will be drawn up and system parameters jointly established by DOE and DOR personnel.

3. A cooperative agreement will be drawn up with one school district to serve as a pilot for a student-follow-student followup information program. Data needs and collection methods will be established during this period to become operational during the last quarter of the 1973 fiscal year. A cost-effectiveness analysis is planned to compare statewide followup through Department of Revenue information and through the proposed localized followup system which utilizes enrolled Vocational Education students to obtain information about past Vocational Education students in the area.

ARIZONA

Eugene L. Dorr, State Director of Vocational Education

Sid Borcher, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. Inhouse Implementation of a State-wide Evaluation System for Vocational Education

RESEARCH RELATED ACTIVITIES:

1. Dissemination activities:

   a. Copied 2322 reader-printer pages

   b. Reproduced 6112 microfiche

   c. Circulated 394 volumes of hardcopy

   d. Completed 165 manual searches of the ERIC collection

2. Added 2,383 pieces of career education material to the Career Education Clearinghouse. Process of classification of materials is still in progress

3. Developed and printed 750 copies of an annotated bibliography of career education materials

4. Consulted with individuals and groups on career education materials

PROJECTS AND ACTIVITIES PLANNED: NONE

ARKANSAS

J. Marion Adams, State Director of Vocational Education

Jack D. Nichols, RCU Director

PROJECTS COMPLETED:

1. "Arkansas' Vocational Education Leadership Development Extern Program"

NEW PROJECTS FUNDED:

1. Mini-grants were awarded for the development of multi-media materials and other action oriented research projects

RESEARCH RELATED ACTIVITIES:

1. Reviewed research and EPDA proposals
2. Provided assistance in planning and conducting the Governor's Career Education Conference
3. Reviewed data prepared and submitted by Project Baseline
4. Planned a State Personnel Development Institute
5. Assisted with the development of a Career Education Demonstration Project at Russellville Public Schools
6. Assisted with the preparation of the annual enrollment report

PROJECTS AND ACTIVITIES PLANNED:

1. Review proposed projects submitted for possible funding
2. Collect, edit, compile, and store pertinent vocational student data on magnetic tape for computer manipulation.
3. Assist with the Career Education Demonstration Project at Russelville
4. Assist with developing personnel development activities
5. Assist local teachers with the mini-grant program

CALIFORNIA

Sam L. Barrett, Acting State Director of Vocational Education

James H. Crandall, RCU Director

PROJECTS COMPLETED:

1. "An Evaluation of Staff- and Community-Implemented Model Integrating Career Development Concepts in a Total Educational Program, K-12"
2. "Work Experience Education Research for Accountability"

3. "Reflections of the Community: The Community Aide and Home Economics Education"

4. "A Field Study to Determine Characteristics of Most Successful Vocational Education Programs"

5. "Research to Develop a Model Instructional Program in the Office Cluster of Business Occupations"

6. "Evaluation System Model for the Basic Functions of Vocational Education in California"

7. "An Experimental Research Project to Test a More Effective Means to Achieve Stated Work Experience Education Program Goals"

8. "San Francisco Bay Area Environmental Education Needs Study"

9. "Instructional Aids for the Disadvantaged -- To Provide Occupational Opportunities"

10. "Occupational Information Relating to the Plastics Industry Recommended for Secondary Curricula"

11. "Development of a Method for Predicting Vocational Education Costs"

NEW PROJECTS FUNDED:

1. "Survey of Occupational Cognizance"

2. "An Empirical Comparison between the Gregg and the Laurie Shorthand Systems"

3. "Measuring Growth In Vocational Development of Secondary Students of the Santa Barbara Career Education Project"

4. "Vocational Education Programs in California Secondary Schools"

5. "Action Research Training for Vocational Educators"

6. "Establishing Occupational Education Research Priorities in California Community Colleges"

7. "Synthesis of Handicapped and Disadvantaged Vocational Education Model into COPES Design"

8. "Development of an Audio-Visual Self-Indentification Model for Use in Vocational Counseling"

9. "Research on Intrinsic-Extrinsic Motivation Concepts as Applied to Selected Vocational Instructional Programs"

10. "Field Testing of a Computer Based Manpower Projection System"

11. "Field Test of a Vocational Research Training Model that Integrates Management and Evaluation Concepts"

12. "Priority Determination for Vocational Education Through A Formal Needs Assessment Process"

13. "Field Test of Project #42-10421-C048-71: The Research and Evaluation of Followup Studies of High School Graduates Using Sampling Methods"

14. "Selection and Testing of a Systems Planning Model by Community College Vocational Educators and Research Personnel"

15. "Labor Market Analysis Survey for Handicapped Students"

16. "Preparing Single Farm Workers for Alternative Employment Programs"

17. "Manpower Projection Model System: Phase II"

RESEARCH RELATED ACTIVITIES:

1. Made four site visits to research projects

2. Supplied 211 information requesters with the following:

   a. 169 microfiche title sent gratis

   b. 50 pieces of hard copy loaned

   c. 48 pieces of hard copy sent gratis

   d. 1,288 pages of xerox copy

   e. 426 pages of Reader-Printer copy

   f. 1,059 pages of Kalvar copy

3. Supplied 20 requesters of Business Education Data with 50 microfiche and 161 units of apertures

4. Developed monthly research summaries for publication in a Vocational Education Newsletter

5. Forwarded research reports and summaries to State vocational education staff members

6. Provided consultative service to individuals, agencies in universities, State colleges, county school departments, local school districts and a State hospital

PROJECTS AND ACTIVITIES PLANNED:

1. Continue the development and operation of a short-term statewide advisory committee on vocational education research

2. Update, revise, produce and distribute instructions and forms that will be used by agencies throughout the State for making application for funding vocational education research projects

COLORADO

M. G. Linson, State Director of Vocational Education

Robert F. Barnes, RCU Director

NO REPORTS RECEIVED

CONNECTICUT

Joseph F. Murphy, State Director of Vocational Education

Herbert Righthand and Richard C. Wilson, RCU Co-directors

PROJECTS COMPLETED:

1. "An Exploratory Study of the Characteristics of Students Who Seek Admission To and Who Enroll in Connecticut Regional Vocational-Technical Schools"

NEW PROJECTS FUNDED:

1. "Development and Validation of Occupational Competency Examinations for Trade and Industrial Instructors"

RESEARCH RELATED ACTIVITIES:

1. Administered Parts C and D State projects including proposal development, review, approval, and evaluation

2. Collected and processed end-of-year enrollment data for all vocational programs

3. Prepared graduate followup forms and instructions compatible with new data system

4. Worked with Office of Departmental Planning in the revision of PPBS objectives for the Division of Vocational Education

5. Served as member of Department of Education Steering Committee for Joint Task Force (Belmont) Project

6. Disseminated research reports, releases, and other materials

7. Prepared tentative agreement with State Labor Department for the establishing of a position of Labor Research Analyst to serve the needs of the Division of Vocational Education, State Department of Education

8. Served as member of advisory committee on University of Connecticut study of characteristics of vocational-tech[illegible]l school students

9. Met on several occasions with personnel of New England Resource Center for Occupational Education (NERCOE) to develop basic program plan for a State-based Educational Information Consultant who assumed half-time duties in Connecticut in August

10. Provided orientation and made working arrangements for NERCOE Educational Information Consultant (EIC)

11. Worked with staff of Scientific Educational Systems on development of State Data Analysis Plan for the Division of Vocational Education

12. Worked with EIC in establishing State procedure for NERCOE career education retrieval acquisition effort

13. Served on Departmental Committee for formulation of new objectives for State Department of Education

14. Held several meetings with State Data Center Analysts for revision of existing and development of new computer programs.

15. Assisted in completion of Division of Vocational Education evaluation reports to State Legislature

16. Prepared and distributed forms and instructions for October enrollment reports

17. Assisted local school authorities in the development of proposal for exemplary discretionary funds

18. Worked with school officials from selected site in development of proposal for research discretionary funds

19. Prepared Federal statistical report for FY 1972

20. Conducted annual followup of 1972 vocational program graduates

21. Conducted annual study of applicants to State regional vocational-technical schools

22. Collected fall enrollment data from vocational education programs

23. Attended and participated in various meetings and made presentations to a variety of groups

PROJECTS AND ACTIVITIES PLANNED:

1. Development of a Plan for Articulation of Educational Programs for Nursing-related Health Occupations

2. Long-Range Followup Study of Distributive Education Graduates of Connecticut's Secondary Schools

DELAWARE

Conrad C. Shuman, State Director of Vocational Education

Burton Braverman, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Career Education Guidance Demonstration"
2. "Updating Automotive Services"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

DISTRICT OF COLUMBIA

Paul E. Cawein, State Director of Vocational Education

Paul E. Cawein, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. In progress: "A Field Research Project to Develop and Test the Impact of Career Awareness and Achievement Motivation at the Junior High School Level"

PROJECTS AND ACTIVITIES PLANNED:

1. Contract for a followup study of vocational graduates and selected academic high school graduates - To be negotiated prior to June 30, 1973

FLORIDA

Joseph Mills, State Director of Vocational Education

Kenneth M. Eaddy, Chief, Research/Evaluation Bureau

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Workshops for elementary guidance personnel"

RESEARCH RELATED ACTIVITIES:

1. Attended various conferences, committee meetings, and council meetings
2. Participated in a Southern Association of Schools and Colleges evaluation of vocational programs at Sheppard Air Force Base, Texas
3. Serving on the Governor's ad hoc Committee for Educational Services to the Disadvantaged
4. Worked with the Southern Association of Schools and Colleges to establish a consortium for the purpose of developing performance objectives and criterion-referenced instruments to be used with one vocational program
5. Assisted in the development of research and exemplary projects
6. Continued to develop the Program Planning Budgeting System as a means of setting annual objectives and defining activities
7. Prepared recommendations to the Office of Education for State funding procedures
8. Met with representative of the Department of Commerce to plan State Manpower Information System - (OTIS)
9. Prepared detailed objectives for Research and Evaluation Bureau as a section of the Statewide Comprehensive Plan for Education. Bureau staff were appointed to the task force of department personnel assisting local school districts to develop Comprehensive Plans for Education

10. Attended Annual Conference of State Vocational Directors in Columbus, Ohio

11. Visited the Vocational Curriculum Development Laboratory at Mississippi State University

12. Planned Florida Research and Development projects for 1972-73

13. Prepared information on vocational education exemplary programs for legislative committees

14. Prepared materials for disadvantaged and handicapped students

15. Assisted graduate students to begin work on research projects

16. Evaluated the Comprehensive Guidance Center in Vocational Technical Education in Pinellas County

17. Prepared FERIC continuation projects

18. Added a new staff member to the Research and Evaluation Bureau

19. Prepared materials for Project Baseline

20. Reviewed exemplary and career education program annual evaluation reports

21. Prepared material for the Annual Descriptive Report to the U.S. Office of Education

22. Assisted Senate Legislative Committees to understand objectives of exemplary programs

23. Prepared criteria and guidelines to be used for proposal and project review

24. Edited quarterly technical reports for exemplary and career education program

25. Prepared justifications for continuation of selected projects

26. Developed and implemented a Statewide pilot placement and followup study

27. Held regional meetings on pilot followup study to explain operation of the system to local education agencies

28. Reviewed funded project applications and developed a monitoring system for all projects

29. Monitored funded projects such as the Individualized Manpower Training Program, Career Education Program, Exemplary Project and Pupil Personnel Services Projects

30. Met with teacher educators to discuss career education in State University System

31. Prepared and submitted a Letter of Assurance to the U.S. Office of Education for a new Career Education Model in the Leon County School District

32. Served on the Department Task Force for Career Education

33. Conducted conferences on the development of career education in middle schools

34. Presented career education concepts to local Directors of Pupil Personnel Services, Counselor Supervisors, and Elementary Principals

35. Conducted career education conferences in two school districts

36. Conducted several visiting groups through exemplary programs and career Education models

37. Prepared justification for a legislative budget requesting a career education program in each school district

38. Prepared brochures on Florida's Career Education components

39. Prepared a speech on Florida's career education program for the Commissioner of Education

40. Responded to numerous requests for information on exemplary and career education programs in Florida

41. Submitted quarterly technical reports for the exemplary program and the career education model

42. Prepared justification for a new State career education model

PROJECTS AND ACTIVITIES PLANNED:

1. Development of a career education model at a new location

2. Continue development of exemplary program and career education models

3. Conduct pilot followup study on a Statewide basis

4. Develcpment of a vocational education curriculum laboratory

5. Assist in the development of a Statewide comprehensive planning model for education in school districts

6. Assist legislative committees to develop an understanding of innovative vocational education programs and career education

7. Continue to serve on the Department of Education Task Force on Career Education and other committees

8. Attend regional and national research meetings

9. Monitor vocational research and exemplary projects in progress

GEORGIA

Russell S. Clark, State Director of Vocational Education

C. Paul Scott, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Pilot and Demonstration Program in Staff Development"

2. "Evaluation of ACTION Programs"

3. "Pilot and Demonstration Program in Development of a Pre- and In-Service Career and Vocational Teacher Education Program"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

HAWAII

Samson S. Shigetomi, State Director of Vocational Education

Sybil Kyi, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Statewide Followup of Post-Secondary Vocational Education Graduates in the University of Hawaii's Community Colleges"

RESEARCH RELATED ACTIVITIES:

1. The VERSE System (Vocational Education Retrival System and Evaluation) produced the following products:

   a. VERSE I Enrollment Summary by College

   b. VERSE II Enrollment Summary: Honolulu SMSA and State

   c. VERSE III Student Summary by College

   d. VERSE IV Student Listing of Special Programs by College

PROJECTS AND ACTIVITIES PLANNED:

1. Procure publication of results from "Health Manpower Study"

2. "Complete and publish results of "Kauai Community Occupation Survey"

IDAHO

Roy D. Irons, State Director of Vocational Education

William R. Swenson, RCU Director

PROJECTS COMPLETED:

1. "Orientation to Health Occupations"

NEW PROJECTS FUNDED:

1. "Curriculum Development and Teacher Training for Simulation of Data Processing"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Research study of American Indian participation in high school vocational programs in Idaho

ILLINOIS

Sherwood Dees, State Director of Vocational Education

Ronald D. McCage, RCU Director

PROJECTS COMPLETED:

1. "Illinois Occupational Curriculum Project (Phase III)"

NEW PROJECTS FUNDED:

1. "Nuclear Radiation Project"

2. "Maximizing Human Resource Development in the Five Counties Tier Region of Southern Illinois: An Occupational Education Planning Grant - Phase I"

3. "Analysis of Current Manpower Labor Market Information for Illinois

4. "Statewide Assessment of Programs for the Handicapped (Secondary and Post Secondary Level)"

5. "Statewide Survey of Adult Vocational Education Programs and Services (Secondary and Post Secondary)"

6. "Statewide Assessment: Programs for the Disadvantaged (Secondary and Post Secondary)"

7. "A Study to Determine the Feasibility of Implementing Joint Agreements for More Efficient Utilization of Secondary, Area Centers, and Post Secondary Resources and Facilities"

8. "Manpower Assessment of New and Emerging Jobs in Environmental Areas"

9. "Develop and Test a Systematic Approach for Implementation of a Statewide Student Based Management Information System"

10. "Air Frame Power Mechanics Program for Upper Classmen High School Students"

11. "Aviation Mechanics Program"

12. "An Exemplary Program in Technical Education: Industrial Engineering Technology Based on Measurably Stated Behavioral Objectives"

13. "LPN-RN Program"

14. "Demonstration Center for Comprehensive Occupational Education Program Planning"

15. "Career Education Information Campaign"

16. "An Exemplary Demonstration Center for Career Education Showing How Teachers Work with Disadvantaged Children in the Elementary School"

17. "Consumer and Homemaking Education Program for the Post Secondary Level"

18. "Cooperative Vocational Education Program (School Leaver) Demonstration Center"

RESEARCH RELATED ACTIVITIES:

1. Coordinator and staff attended various State level conferences related to projects

2. Coordinator and staff attended AVA

3. One staff member attended AVA Pre-session

4. Coordinator asked to be on RCU Planning Committee as Central Region Representative. Attended Planning Session at Ohio State

5. Coordinator visited USOE in November to discuss RCU activities and to deliver FY 73 Discretionary Letter of Assurance

6. One staff member has given over twenty speeches to local school boards on Career Education

7. One staff member attended USOE Exemplary and Discretionary Conference at Airlie House

PROJECTS AND ACTIVITIES PLANNED:

1. "Coal Mining Technology"

2. "CVIS Implementation and Demonstration Center in Chicago"

3. "Demonstration Center Business Marketing, and Management"

4. "Demonstration Center Industrial Oriented"

5. "Demonstration Centers to be Identified"

INDIANA

Don K. Gentry, State Director of Vocational Education

Carol Ann Hodgson, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Exemplary Health Careers Program"
2. "Mobile Unit to Provide In-service Career Education"
3. "Pre-Vocational Education at a Middle School"
4. "Area Vocational School Feasibility Study in West Central Indiana"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

IOWA

William O. Schuermann, State Director of Vocational Education

Kenneth M. Wold, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Population/Enrollment Trends in Iowa and Their Implication for Iowa's Area Schools"
2. "Determine the Competency Needs of Sanitarian Aides"

RESEARCH RELATED ACTIVITIES:

1. The Career Education Needs Information System (CENIS) research project activities included:
   a. Ninety-five percent of the area and Statewide labor demand survey was completed and prepared for data processing
   b. Area school personnel contacted local school representatives for the purpose of informing them of the procedures for conducting the Statewide student interest survey

c. Eighty-eight percent of the area and Statewide student interest survey was completed and prepared for data processing

d. Initial questionnaire mailings plus two repeat mailings were sent to those students who terminated an approved vocational education program during the 1968-69 school year that were attending one of the 12 schools selected to participate in the student followup survey

e. Sixteen percent of the student followup questionnaires had been returned for processing

f. Contracts were awarded for the processing of data collected from the student interest and student followup surveys

2. Information collected for the publication, "Growth and Development of Career Education in Iowa," was summarized for a Department-wide biennial report to the General Assembly

3. Visits were made with project directors and their staffs to review and assess the progress of their research projects

4. Consultative services to research proposal initiators and directors were provided

5. Five on-going competency study projects were evaluated to assess progress

6. Guidelines for the implementation of precareer education were developed

7. Five on-site visits were made to review the progress of on-going exemplary projects

8. Second and third quarter reports on discretionary funded research projects were prepared and submitted to the U.S. Office of Education

9. Consortium meeting was attended in New Orleans. Participants discussed field testing criteria and guidelines for the distributive education learning activity packages developed by personnel from the States involved in the project

10. The State Career Education Research Advisory Committee met and reviewed two research proposals

11. An institute at Fort Collins, Colorado, for the development of curriculum personnel was attended and the presentations were summarized, reproduced and distributed to Department personnel

12. Representative attended a planning meeting and the four-State regional workshop exemplary program (Career Education) called by the U.S. Office of Education, Region VII, Kansas City, Kansas, November 15-17, 1972

13. Fifteen proposals submitted for the U.S. Commissioner's discretionary funds were reviewed and summarized

14. Met with representatives from twelve local educational agencies, consulting with them about exemplary proposals

PROJECTS AND ACTIVITIES PLANNED:

1. The State Career Education Research Advisory Committee will meet to review research proposals and to establish new research priorities

2. Visitations to on-going research and exemplary projects will continue to be conducted

3. Collection of data will continue with each of the four components of the CENIS project. Data processing and analysis will commence and interfaced reports will be prepared

4. Consultative assistance will continue to be provided to proposal initiators and directors of exemplary and research projects

5. Research findings will be prepared for dissemination

KANSAS

John E. Snyder, State Director of Vocational Education

Wilbur Rawson, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Proposal for an Area Vocational Technical School Capital Outlay Survey Project"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

KENTUCKY

Carl F. Lamar, State Director of Vocational Education

Robert M. Schneider, RCU Director

PROJECTS COMPLETED:

1. "Project for Development of a Final Report on the Central Kentucky Vocational Education Evaluation Project"

NEW PROJECTS FUNDED:

1. "Development and Try-Out of a System for Evaluating Programs of Vocational Teacher Education"
2. "Project for Development of a Final Report on the Central Kentucky Vocational Education Evaluation Project"
3. "An Analysis of the Image of Vocational Education in Kentucky"
4. "Distributive Education Curriculum Project--Phase II"
5. "Continuation of Demonstration and Development for Model Office Programs"
6. "Analysis of Problems Encountered by Classroom Teachers Associated with Their Involvement in the Kentucky Regional Career Education Development Project"
7. "Development of an Administrative Policy Manual for Vocational Education"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

LOUISIANA

Kirby K. Awagain, Acting Director of Vocational Education

Gertrude Enloe, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Research Project in Cooperative Career Education Programs"

2. "A Proposal for the Formulation of a Program in Vocational Agriculture for the Different Levels of Career Education"

3. "Employment Status of Louisiana High School Cooperative Occupational Education Graduates of 1971"

4. "Occupational Experiences of Louisiana High School Graduates"

RESEARCH RELATED ACTIVITIES:

1. The monthly research circular letter was mailed to parish school superintendents, vocational-technical school directors and the professional staff members of the Louisiana State Department of Education giving topics of interest on publications available on microfiche recently received

2. Increased utilization of the microfiche library has been made throughout this reporting period. Requested microfiche have been distributed to schools requesting such materials for their vocational educational programs

3. [illegible] monthly issues of microfiche were received, reviewed [illegible] files. A continuous subscription of microfiche on [illegible]search in Education is maintained

4. [illegible]ased Report Resumes (RESUMAST) Data Base Through [illegible]ber, 1972 (5 tapes); Journal Article Resumes (CI JEMAST) [illegible] Base Through September, 1972 (2 tapes); and, Thesaurus ([illegible]MAST CUM) Through December, 1972 (one tape)

5. [illegible]ed the work in preparation of a proposal for [illegible]sibility studies to determine the need for establishing vo[illegible]tional-technical schools in areas designated by the Louisiana Legislative Acts of 1972

6. The RCU was involved in a project on collection and tabulation of data concerning enrollment and course offerings of Louisiana's Vocational-Technical Schools

7. Attended and participated in Southwide Research Coordinating Council meeting

PROJECTS AND ACTIVITIES PLANNED: NONE

MARYLAND

James L. Reid, State Director of Vocational Education

Marinus A. Kip, RCU Director

PROJECTS COMPLETED:

1. "Summer Survey and Returnee Research Projects"

2. "An Empirical Investigation of the Effects of the Catonsville Community College Environment upon the Affective Development of Career-Vocational Students and Suggested Pragmatic, Environmental Alternatives: Towards a Generalizable Model for this Assessment"

3. "Institutional Evaluation Revisited, Revised and Extended: Focus on the Career Student"

4. "Research and Development of a Computer-Assisted Instruction Center for Post-Secondary Vocational Projects, Phase II"

5. "A Survey and Status Evaluation of the Diversified Occupations Program in Prince Georges' County Public Schools"

6. "Para Professional Debt, Nutrition, and Medicare Counseling Program: A Study in Effectiveness, Phase I"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

MASSACHUSETTS

Charles H. Buzzell, State Director of Vocational Education

Ronald J. Saris, RCU Director

PROJECTS COMPLETED:

1. "Operation Shotgun"
2. "Manual Skills Training and Placement for Urban Spanish-Speaking School Dropouts"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

MAINE

Elwood A. Padham, State Director of Vocational Education

Charles W. Ryan, RCU Director

PROJECTS COMPLETED:

1. "Summer Planning Workshop for Cooperative Vocational Education for the Disadvantaged"
2. "Survey of Vocational Education Needs in Southern Penobscot County"
3. "Career Transition Study"
4. "A Study of the Effects of a Planned Program of Educational-Occupational Information on Knowledge, Aspirations, and Self-Image of Elementary School Children"
5. "Women in a Man's World of Work"
6. "The Fusing of Career Oriented Materials and Activities with Traditional Curriculums in Grades One through Six"
7. "Please Corps"

NEW PROJECTS FUNDED:

1. "Seminar in Basic Research and Proposal Development Skills"

2. "Remediation Program for Special Education"

RESEARCH RELATED ACTIVITIES:

1. Provided consultative services to various institutions, groups, individuals, and school systems

2. Attended various conferences and workshops on career education

3. Presented career education concepts to a variety of groups

4. Proposal prospectuses for Commissioner's discretionary funds reviewed. Twelve were submitted and South Portland was selected to prepare a final proposal for possible funding, October - November, 1972

5. Procedure for filing and checking funded projects established. Quarterly report dissemination system installed and in use

6. 1971-72 vocational enrollment figures abstracted from Part C and D projects for United States Office of Education Report (Whitney Newcomb)

7. Numerous requests for career education information, materials, etc., were processed. An estimate indicates that we respond either by letter or by telephone to about six requests per week for data regarding career education

8. Planned and coordinated the "Governor's Conference on Career Education," October 26-27, 1972. The following Bureau and Department staff members contributed to this effort: Mrs. Janis Cross and Mrs. Dorothy Booth. Evaluation report on this conference is in progress

9. Sponsored the attendance of four persons at the NERCO Information Specialist Training Seminar in July, 1972

10. Coordinated requests for various vocational-technical information to Mr. Larry Brown, NERCO Information Specialist

11. Visited 3 project sites in November, 1972 to confer with Directors and assess progress: Project PACE, Project WEB, and Hampden Academy project

PROJECTS AND ACTIVITIES PLANNED: NONE

MICHIGAN

Arnold Loomis, Acting State Director of Vocational Education

James Bebermeyer, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Statewide Career Education awareness-understanding survey instrumentation nearly completed
2. Community college evaluation proposal completed
3. Career Education Planning District manpower planning system inservice completed
4. Management skills inservice for State vocational education staff continued
5. Development of computerized Vocational Education Information Support System continued
6. Consultation to Detroit Vocational Area Study continued
7. Consultation to Michigan State Advisory Council for Vocational Education continued
8. Planning for second phase of career achievement skills R&D project completed
9. Assistance in development of vocational education goals and objectives statement continued
10. Continued Health Manpower Study
11. Evaluated first phase of the Pontiac Career Development Study
12. Completed annual report of the Michigan State Advisory Council on Vocational Education
13. Developed nine research proposals for Vocational Educational consideration
14. Began discussions with Ohio State University staff about evaluation of Vocational Education

15. Provided consultative service to the Michigan assessment program's dissemination proposal

PROJECTS AND ACTIVITIES PLANNED:

1. Provide logistical support for career education workshop series
2. Complete instrumentation for Statewide career education survey
3. Conclude management skills inservice for State Vocational Education staff
4. Develop proposal for professional development study
5. Perform final evaluation of Part D exemplary projects
6. Continue consultation to Michigan State Advisory Council for Vocational Education and to Detroit Vocational Area Study
7. Continue development of computerized information system

MISSISSIPPI

Troy V. Majure, State Director of Vocational Education

James E. Wall and James F. Shill, RCU Co-directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Evaluation of the Northwest Mississippi Career Education Opportunities Program"
2. "Evaluation of Implementing A Career-Centered Curriculum in the Public Schools of Mississippi"
3. "Assessment of Vocational Teacher Education in Mississippi"
4. "Statewide System for Determining Vocational Reimbursement for Local Vocational Programs"
5. "Manpower Needs of Industries in the Area Served by Utica Junior College"

RESEARCH RELATED ACTIVITIES:

1. Prepared six career education proposals for local school districts

2. Completed Annual Report of the Mississippi Research Coordinating Unit for Vocational-Technical Education for FY 1972

3. Conducted, attended and participated in various professional meetings, workshops and conferences

4. Completed various project progress reports

5. Developed video tapes and slide sets on career education to be utilized in inservice training

6. Filled requests for research information

PROJECTS AND ACTIVITIES PLANNED: NONE

MISSOURI

B. W. Robinson, State Director of Vocational Education

Glenn W. White, RCU Director

PROJECTS COMPLETED:

1. "Techniques and Equipment for Maximizing Vocational Instruction in Electricity in Secondary School Systems"

2. "Research for the Possibilities of a Mobile Vocational Program for Northeast Missouri Counties"

3. "Occupational Education for High School Age Population in Southwest Missouri"

4. "Community Survey of Occupations"

5. "Environmental Technicians - A Feasibility Study in Need and Curriculum"

6. "Prevention of Dropouts and Failures Through More Vocationally Slanted Courses"

7. "Color Perception As A Correlate of Success in Vocational Education"

8. "Evaluation of Vocational Guidance and Vocational Education at North Platte R-I"

9. "Early Intervention in 9th Grade Student Career Development Crises"

NEW PROJECTS FUNDED:

1. "Computer-based Occupational Simulation"

2. "Analysis of Factors Which Influence Student Selection of Vocational-Technical Education in Southwest Missouri"

3. "Development of a Training Model Using Simulation Materials for Vocational Counseling"

4. "Development of a 16mm Film Titled 'Dynamic Careers in Agri-Business' for post-secondary agri-business graduates in Missouri"

5. "Career Development Planning for Grades K-8"

6. "A Model for the Development of a System for the Establishment and Initial Operation of an Area Vocational School"

RESEARCH RELATED ACTIVITIES:

1. Conducting information retrieval and dissemination activities including a total of 221 searches resulting in distribution of 1,018 microfiche

2. Participated as visiting chairman in four on-site vocational-technical evaluations

3. Provided consultative assistance in carrying out project proposals

4. Distributed 2,250 Resource Directories to secondary and post-secondary counselors, welfare directors, mental health centers and employment services counselors

5. Began implementation of MOTIS (Missouri Occupational Training Information System) Student Accounting Component. A data collection procedural handbook has been developed and disseminated

6. Information has been collected and reviewed concerning the "state of the art" of manpower forecasting

7. Information is being collected and analyzed for the facilities description and utilization aspect of the Resource Inventory Component

8. Held 10 regional workshops to introduce MOTIS to participating school districts

9. Held workshops to introduce MOTIS to Statewide private school administrators

10. Continued negotiation with Missouri Division of Employment Security to develop an agreement for collection and dissemination of Demand Data

11. Carried out professional conference for vocational personnel

12. Solicited Level I and Level II research projects on a Statewide basis

PROJECTS AND ACTIVITIES PLANNED:

1. Continue activities in information retrieval and dissemination

2. Monitor approved research projects

3. Continue development of materials, methods and procedures for the Demand Component, Student Accounting Component, Resource Inventory Component, and Manpower Supply Component

MINNESOTA

Robert P. Van Tries, State Director of Vocational Education

Howard F. Nelson and Jerome Moss, RCU Co-directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Fashion Merchandising Career Exploration Learning Materials Project"

2. "Burnsville Senior High School Career Exploration "

3. "A Proposal to Develop Individualized Learning Packages for Selected Post-Secondary Occupational Programs of Two Years Duration or Less"

4. "Administration of Educational and Vocational Guidance Tests in Minnesota Schools"

5. "Pilot for International Learning and Occupational Training in Cosmetology"

6. "Project Share"

7. "Career Education for Urban Youth"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. "Foreign Training in Vocational Education"

2. "Career Education for Urban Youth"

3. "Staff Orientation and In-Service Training in Individualized Self Paced Instruction"

MONTANA

Benjamin Ulmer, State Director of Vocational Education

Robert Lehman, RCU Acting Director

PROJECTS COMPLETED:

1. Agri-producers survey

   a. "Agriculture Producers Manpower Report"

   b. "Agriculture Producers Manpower Project Manual"

2. Employment competencies study

   a. "Study to Determine Competencies Needed by Employees Entering the Grain Feed and Seed Business"

NEW PROJECTS FUNDED:

1. Agriculture workers competency studies

RESEARCH RELATED ACTIVITIES:

1. Designed and helped conduct followup survey for Entry/Exit/Followup System, analyzed survey results, and prepared USOE report 3139

2. Completed data analysis for evaluation of a Vocational Guidance workshop

3. Devised instrument for a Career Education concept survey

4. Assisted in data analysis for the State Health Occupations Supervisor

5. Consulted with Butte Vocational-Technical Center personnel on evaluation for Project Prepare; designed evaluation and provided data-gathering forms

6. Assisted Home Economics Advisory Council in planning future home economics curriculum

7. Completed boundaries description of Vocational Education at the State level

8. Arranged for Helena School District No. 1 to be the model district for the Vocational Education reporting plan

9. Arranged for pilot-testing of the Vocational Education Information System

PROJECTS AND ACTIVITIES PLANNED:

1. Continue to supervise and assist in the agri-producers survey

2. Audit the evaluation of the Career Education Project designed to use research findings in counseling students and building curriculum

3. Complete the design and implement the information system for use in the Vocational and Occupational Skills Component

4. Assist the Vocational and Occupational Skills Component in planning and evaluation as needed

5. Prepare evaluation report for Project Prepare at Butte Vocational-Technical Center

NEBRASKA

Glen H. Strain, State Director of Vocational Education

Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Assisted local education agencies prepare proposals for mini grants, vocational research, and exemplary programs
2. Conducted information sessions for five University of Nebraska graduate and undergraduate classes on Vocational Research and Career Education
3. Contacted and trained 35 interviewers for 1973 Occupational Opportunities Report
4. Coordinated orientation of new programmer for RCU and update of master list of employers in Nebraska (76,000)
5. Began preliminary coding of data from interviewers for 1973 Occupational Opportunities Report
6. Conducted third party evaluation of Career Education project at Milford Public Schools under U.S. Commissioner's Discretionary Research Grant
7. Participated in planning session with Division of Vocational Education for programming of Center for Vocational-Technical Education at Kearney State College
8. Assisted in development of a Career Education proposal for Kimball Public Schools - U.S. Commissioner's Discretionary Grant for Vocational Research (FY 1974)
9. Assisted and participated in planning sessions for Career Education proposal by Lincoln Public Schools for U.S. Commissioner's Share Exemplary Programs
10. RCU Director chaired a subcommittee for the Economic Development Administration to plan a Statewide management information system for vocational training programs
11. Coordinated Review Committee for Vocational Research and prepared abstracts of proposals to be recommended to Nebraska State Board of Vocational Education (five proposals reviewed-four recommended for approval)

12. Dissemination Activity:

    a. Monthly Newsletters - 2,300 Educators

    b. LRC checkout - 187 documents, 151 persons

    c. Occupational Opportunities Report 1972 - 401

    d. Post-secondary Vocational Offerings - 110

    e. Advisory Council Report - 1,831 copies

PROJECTS AND ACTIVITIES PLANNED:

1. Visitations of Research and Exemplary Projects
2. Presentation of Research Proposals to State Board of Vocational Education
3. Budget and programming plans for FY 1974 RCU contract with University of Nebraska
4. Attend annual RCU Directors Conference in Atlanta, Georgia
5. Review and funding of mini grants for Vocational Research
6. Complete coding activities, compilation of data, programming, publication and dissemination of 1973 Occupational Opportunities Report
7. Assist in preparation of State Plan for Administration of Vocational Education (Research)
8. Conduct evaluation of Career Education Project Milford Public Schools Phase I

NEVADA

R. Courtney Riley, State Director of Vocational Education

Len L. Trout, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. RCU was relocated in the Research and Educational Planning Center, University of Nevada, Reno

2. The RCU has been authorized as the monitoring agency for all of Nevada's projects funded under Parts C and D of the 1968 Vocational Amendments

3. The RCU Curriculum and Resource Library has had the following usage:

   17 Walk-in users

   6 Phone and mail requests for information

   9 Information search requests

4. New additions to the library collection:

   Microfiche 12

   Books 10

   Filmstrips 3 Sets (10 each)

5. Three issues of the RCU Newsletter have been printed and disseminated to 1,065 people in Nevada and the nation at large

6. Provided consultative services to a variety of groups and school districts

7. Attended several conferences

PROJECTS AND ACTIVITIES PLANNED:

1. Publication of RCU Reports

2. Continuation and expansion of RCU curriculum and resource identification, acquisition, and dissemination activities

3. Monitoring of Parts C and D funded projects

4. Development of a Nevada RCU Basic Program Plan in an effort to provide systematic and conscientious long-term services to career/vocational education personnel in Nevada

5. Continued consulting services to field personnel, local education agencies, State Department, advisory council, etc.

6. Such activities as assigned by the State Director of Vocational-Technical and Adult Education

NEW HAMPSHIRE

Neal D. Andrew, State Director of Vocational Education

Gloria Cooper, RCU Director

NO REPORTS RECEIVED

NEW JERSEY

Stephen Poliacik, State Director of Vocational Education

Harold R. Seltzer, RCU Director

PROJECTS COMPLETED:

1. "Evaluation of Governor Cahill's Career Development Project"
2. "Self Evaluation --- Governor Cahill's Career Development Project"
3. "Research and Evaluation of Career Education Assessment Materials for Grades 7-8-9 Concerning Attitudes and Behavior Change"
4. "Research and Evaluation of Career Education Assessment Materials for Grades 10-11-12 Concerning Attitudes and Behavior Change"
5. "Feasibility Study of Multi-Media Techniques in Self-Development"

NEW PROJECTS FUNDED:

1. "The Investigation and Development of a College Program for First Line Supervisors in Business and Industry"
2. "Development of Orientation to Work Among Children"
3. "Development of a Rationale and Structure for 'The World of Finance' Curriculum Project"

4. "Factors Influencing Non-White Participation in Apprenticeship in Selected Building Trades Unions in New Jersey"

RESEARCH RELATED ACTIVITIES:

1. Completed the following Special Papers:

   a. Computerized Career Information

   b. Feedback-Summer Issue and Fall Issue

   c. Career Education Progress-Summer Issue and Fall Issue

   d. Report-Vocational Guidance and Career Education Programs 1969-71

   e. Apprenticeship Training and Career Education

   f. Grass Roots Development of Curriculum for Career Education

   g. Current Research and Discussion in Vocational-Technical Education

   h. Voices for Careers

2. "New Jersey Vocational Education Planning System Project"

3. Held in-service training programs for teachers and supervisors of "Technology for Children Project"

4. Held in-service training workshops for teachers of "Introductions to Vocations Programs"

5. The New Jersey Occupational Research and Development Resource Center conducted the following activities:

   a. Began a Career Education Media Series for previewing all types of media related to career education

   b. Began VOICES FOR CAREERS cassette duplication service

   c. Began visiting schools to explain the center's services to school staffs

   d. Provided exhibits at various conferences

   e. Reproduced 7,029 titles of microfiche

   f. Circulated 89 simulation games

   g. Circulated 506 books

PROJECTS AND ACTIVITIES PLANNED:

1. Expansion of Governor Cahill's Career Development Project
2. Special paper preparation and dissemination
3. Conduct Statewide research conference
4. A continuation of activities which have not been completed and were recorded in previous quarters

NEW MEXICO

James B. West, State Director of Vocational Education

Jerry Miller, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "TAOSCORE"
2. "Tri-Cultural Vocational Exploratory Career and Work Experience Education Program"
3. "Taft Junior High School Career Education Project"
4. "Development of Three Vocational Courses at the Secondary Level"

RESEARCH RELATED ACTIVITIES:

1. Attended Annual Report Regulations Review-Regional Office
2. Visited Study Curriculum Centers in Stillwater, Oklahoma and Cincinnati,Ohio
3. Visited Colorado State Research Coordinating Unit (Vocational-Technical Information System)
4. Attended Third Annual Vocational Education Conference
5. Submitted "Career Education Proposal" (Part C)
6. Submitted "A Career Implementation Program for a Small Rural School: Penasco, New Mexico" (Part D)

7. Submitted proposal under EPDA, Section 553

8. Attended USOE Interagency Training Program

9. Submitted New Mexico's Annual Report on Vocational Education

10. Committee to review all available Federal funds

11. Conducted feasibility study on VTIS

12. Conducted Manpower Studies in Taos, Tucumcari, and Farmington

PROJECTS AND ACTIVITIES PLANNED:

1. Write State Plan

2. Refund TAOSCORE

3. Refund Taft Junior High School Career Education Project

4. Conduct feasibility study for Statewide equipment inventory styem for Vocational Education

5. Conduct Summer Courses for Vocational Education Teachers-EPDA

6. Plan Vocational Education Conference

7. Plan implementation of career education in Penasco School System

8. Plan conference on Career Education Guidelines

9. Program Development Budget FY 74

10. Monitor Research Projects: TAOSCORE Project, Estancia Career Education Project, Albuquerque Public Schools Project, Highlands Summer Workshop, University of New Mexico Summer Workshop, McCurdy Career Ladder Project

NEW YORK

Robert S. Seckendorf, State Director of Vocational Education

Louis A. Cohen, RCU Director

PROJECTS COMPLETED:

1. "An Educational Component Incorporated into a Residential Drug Rehabilitation Program"

2. "Evaluating Individual Performance: A Guide for Teachers"

3. "Writing Behavioral Objectives for Occupational Education (Programmed Text)"

4. "Cooperative Education at LaGuardia Community College"

5. "Registered Apprenticeship Training: A Joint Report"

6. "Planning Inservice Training"

NEW PROJECTS FUNDED:

1. "Drug Grant" to Training for Living Institute

RESEARCH RELATED ACTIVITIES:

1. Provided consultative services to various organizations, institutions and agencies

2. Attended various conferences and seminars and made presentations

3. Published Volume V, Numbers 7-11 of the RCU Newsletter

4. Prepared an 18-page summary of a Health Occupations Survey used as a working tool for a health conference

5. Revised the first draft of the completed Health Competency Study now in progress

6. The final reports of Conference Evaluation (Bureau of Distributive Education) and Advertising Modules (Bureau of Distributive Education and Continuing Education Curriculum Development) are nearing completion

7. The values position paper submitted to the Regents was returned to committee for revision

8. The New York State Occupational Teacher Supply and Demand Study is presently near mid-point in completion

9. The second draft of a report on the North Country Community College Cooperative Project is being prepared

10. Adapted USOE occupation code numbers to make them compatible with community college course files

11. Attended meetings with members of the Apprenticeship Related Instruction Advisory Committee to plan a new core curriculum for related instruction. A survey is being conducted to determine availability or nonavailability of related instruction in apprentice training programs

12. Held a meeting to discuss apprenticeship training for women

13. A report on articulation between high school and community colleges on occupational education programs is being rewritten

14. A survey of in-out migration of industrial arts teachers is being made. It is hoped that a survey model will be generated that will be applicable to other teaching areas as well

PROJECTS AND ACTIVITIES PLANNED:

1. Develop a 5-year plan for the continuing operation of the Evaluation Service Center for Occupational Education

2. Proceed with the survey of related instruction in Statewide apprentice training programs

3. Two studies will be conducted - one in Buffalo and one in Syracuse - concerning health teacher competencies

4. A home economics curriculum workshop will be held with the Cornell R&D Center and the Bureau of Home Economics

5. Student needs in home economics will be determined through the formulation of a survey instrument. The instrument will eventually be used by the Bureau of Home Economics

NORTH CAROLINA

Charles J. Law, State Director of Vocational Education

Charles H. Rogers, RCU Director

PROJECTS COMPLETED:

1. "Occupational Education Salvage: The Identification, Location, and Personal Guidance of Disadvantaged Students in Moore and Hoke Counties into Meaningful Careers"

2. "Development of a Research Instrument Which Can Assess the Occupational and Educational Status of Former Occupational Enrollees of North Carolina Community Colleges and Technical Institutes"

3. "An Experiment in Attitude Modification of Selected Students Enrolled in the Occupational Programs at Southeastern Community College"

NEW PROJECTS FUNDED:

1. "The Planning of a Model Area Occupational Evaluation Center for the Handicapped in North Carolina Multi-County Planning Regions L, Q, and R"

2. "Conducting a Special Tabulation of 1970 Census Twenty Percent Data Showing Intermediate Occupations by Intermediate Industry for Each County in North Carolina"

3. "The Development of an Occupational Education Model for the Primary Grades"

RESEARCH RELATED ACTIVITIES:

1. Consulted with a variety of persons about programs and projects

2. Attended and served on a variety of committees and boards

3. Assisted in the planning of a Career Education proposal

4. Reported to the State Board of Education on three research projects being conducted in the State

5. Participated as member of planning committee of 1973 Occupational Education Regional Forums

6. Conducted a session on research at semi-annual conference of local directors of occupational education

7. Continued monitoring of research projects

8. Assisted in the preparation of the RFP for the third-party evaluation of the Caldwell County Career Education Project supported by the USOE

9. Conducted two 2-day inservice conferences for the total school faculty of our two projects designed to increase occupational education opportunities for small rural schools

10. Prepared and distributed to educational institutions, LEA's, and Research Agencies a "Request for Proposals" for the utilization of FY 1973 Part C Vocational Funds

11. Served on an advisory committee to initiate an Appalachian Regional Commission project to establish inservice education centers for training and upgrading occupational education teachers

12. Prepared and disseminated three issues of the ORU Newsletter, "Flame" (Circulation 9,000)

13. Planned and conducted staff development conference for Division of Research, SDPI

14. Served as members of the planning council for Division of Occupational Education, SDPI

15. Participated on curriculum development coordinating committee of Division of Occupational Education

16. Assisted in planning a FY 1974, Part C, Section 131(a), career education research proposal

17. Prepared a proposal for a research project to study the occupational and educational opportunities for women in the world of work

18. Served as a member of evaluation team of SDPI Leadership School

PROJECTS AND ACTIVITIES PLANNED:

1. A project to field test Learning Activity Packages in Distributive Education

2. A cooperative industry-education inservice program in career education

3. A project to develop a performance based teacher education program in career education

4. A project to develop and test a new approach to provide occupational adjustment training to disadvantaged and handicapped students

5. A project to improve reading and other communication skills through occupational education activities

6. Cooperate in a State manpower and education study

7. To develop a system and technique for diffusing the results of the Occupational Research Unit projects throughout the State

8. Provide support and consultant services to the Caldwell Career Education Project as it is needed

NORTH DAKOTA

Carrol E. Burchinal, State Director of Vocational Education

Donald Eshelby, RCU Director

PROJECTS COMPLETED:

1. "Identification of Common Content of Courses"
2. "Why Rural Area Schools are Reluctant to Take Advantage of Area Vocational High Schools"
3. "The Development of An Evaluation Instrument and Procedures for Implementing"
4. "Environmental Science Technology for New Careers and Occupations"
5. "Development of a Curriculum on Health Ladder, Lattice Concepts"

NEW PROJECTS FUNDED:

1. "Farm Management"
2. "Vocational Education PPBES"
3. "Development of Auto Mechanics Curriculum"
4. "Development of Power Plant Operators Program"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

OHIO

Byrl R. Shoemaker, State Director of Vocational Education

R. D. Balthaser, RCU Director

PROJECTS COMPLETED:

1. "Ohio FAA Comp Muskinqum"

NEW PROJECTS FUNDED:

1. "A Comprehensive Career Development Program-Grade K-10"
2. "Demonstration Project in Career Education-Grade K-10"
3. "Career Development Program"
4. "Career Education-Grade K-10"
5. "Career Development"
6. "Pilot Project in Career Education-Grade K-10"
7. "Career Education Program"
8. "Career Development Program-Grade K-10"
9. "Developing Positive Attitudes Toward the Work-A-Day World"
10. "Career Education Continuum-Grade K-10"
11. "Experimental Pilot Program Designed to Assist in Expediting the Development of New Career Education Curricula-Grade K-10"
12. "Career Development Program"
13. "Career Education Program-Grade K-10"
14. "Wayne Vocational Area Career Education Model"
15. "Career Development"
16. "A Career Continuum-Grade K-10"
17. "Career Motivation, Orientation and Exploration"
18. "Career Development Program"
19. "Career Development-Grade K-10"
20. "Career Education Program"
21. "Development of a Pre-Post-secondary Curriculum in Engineering for High School Students in Grades 11 and 12"
22. "Development of a Pre-Post-secondary Curriculum in Business Administration for High School Students in Grades 11 and 12"
23. "Development of a Pre-Post-secondary Curriculum in Social Sciences for High School Students in Grades 11 and 12"

24. "Development of a Pre-Post-Secondary Curriculum in Health Occupations for High School Students in Grades 11 and 12"

25. "Analysis of Career Education Needs in Urban Areas"

26. "Development of Vocational Education Curricula Especially Adapted to Continual Adult Penal Education Programs"

27. "Assessment of the Performance Capabilities of Graduates of Vocational Agriculture"

RESEARCH RELATED ACTIVITIES:

1. Maintained library and ERIC collection

2. Assisted 56 vocational agencies in preparing proposals

3. Participated in 30 vocational association meetings, seminars, workshops and conferences

4. Counseled and advised over 100 groups such as school boards, administrators, professional groups and advisory groups

5. Prepared reports and answers to a multitude of questions concerning size of school, construction cost, operating cost, amortization of bond issues and operating levies by local school districts forming joint vocational school districts

6. Continued activities in establishing PRIDE in Vocational Education (Program Review for Improvement, Development, and Expansion), a program to improve the quality of vocational education, and generated various reports in connection with the effort

7. Continued the design and implementation of a computerized management information system

PROJECTS AND ACTIVITIES PLANNED: NONE

OKLAHOMA

Francis T. Tuttle, State Director of Vocational Education

William D. Frazier, RCU Director

PROJECTS COMPLETED:

1. "A Guide for State-Directed Evaluation of Secondary Vocational Education Programs in Oklahoma"

2. "A Guide for Completing the Vocational-Technical Student Enrollment, Completion, and Followup

3. "Preparation of Instructional Material for a Two Semester Sequence of Technical Mathematics in an Engineering Technology Curriculum: Final Report"

4. "Innovations in Reporting and Evaluating Home Projects"

5. "The Effects of the 1971 Vocational-Technical New Teacher Training Program on the Teaching Activities of Nineteen Beginning Vocational Teachers in Oklahoma"

6. "Nature and Scope of Adult Vocational Teacher Education Characteristics"

7. "Increasing Student-Teacher Ratio in a Core Health Occupation Curriculum"

8. "Comparisons of the Extent of Emphasis or Importance Placed Upon Selected Aspects of Agriculture Mechanics Instruction in Vocational Agriculture"

9. "A Comparative Study of Federally Reimbursed with Non-Federally Reimbursed Business Education Programs in Oklahoma"

10. "Vocational and Technical Education 1974"

11. "The Association Between Local School Administrators' Attitudes Toward Vocational Education and Students' Participation in an Area Vocational-Technical School"

12. "Teachers with Ideas--In Action"

NEW PROJECTS FUNDED:

1. "Mobility Program in the Health Field"

RESEARCH RELATED ACTIVITIES:

1. Attended, hosted or participated in a variety of workshops, committees and other meetings

2. Consulted with eight doctoral students concerning their research

3. Conducted team evaluation of 81 vocational-technical programs

4. Held Management by Objectives conference for skill center administrators and workshops for selected schools

5. Continued work on feasibility of computer accounting system for excess property

6. Accumulated and compiled manpower supply and demand data for OTIS cycle five

7. Worked with interagency Health Manpower Committee on possible health survey

8. Completed distribution of 1971-72 program evaluation reports to superintendents

9. Assisted and observed a Career Education Workshop for elementary education teachers at Sand Springs

10. Made preliminary plans for program at AVA on Graduate Student Research

11. Conducted ERIC training program at Sand Springs Public Schools

12. Conducted small gas engine and diesel engine manpower demand survey and made report available to Oklahoma Employment Security Commission

13. Conducted survey and distributed report on cosmetology personnel needs in Tulsa County

14. Continuing automation of OTIS

15. Conducted evaluation of 41 programs in Midwest City Public School System

16. Continuing to work on Putnam City evaluation report

17. Continuing to work on Mobile Guidance Unit evaluation report

18. Revision made of summary and program instruments for school year 1972-73 evaluations

19. Formulated a weighted product index for Oklahoma Vocational Education evaluative criteria

20. Distributed 64 school evaluation reports to the proper recipients

21. Wrote prospectus, Differentiated Counseling Staff, and presented to U.S.O.E.

22. Wrote prospectus, Individual School District Profiles, and presented to U.S.O.E.

PROJECTS AND ACTIVITIES PLANNED:

1. Major efforts will be with Career Education, Career Mobility, and the in-house continuing projects of the Division of Research, Planning, and Evaluation
2. Complete Mini-State Plan
3. Complete MBO Implementation Sequence Guide
4. Initiate MBO in MDTA Skill Centers
5. Complete Plan for the 70's
6. Continue execution of procedures and responsibilities for Cycle V OTIS Report
7. Complete Mobile Guidance Unit report
8. Complete school evaluation reports as the information becomes available for 72-73 school year
9. Complete 12 remaining 1971-72 school evaluation reports
10. Plan and conduct a session at AVA presenting recent graduate student research
11. Establish procedures for Dropout Reunification Project
12. Refine occupational clusters within career clusters
13. Start work on fiscal year 1974 State plan
14. Start work on school district profiles
15. Complete ERIC Usage training package
16. Continue specially funded projects
17. Conduct followup study of non-reimbursed business education programs

OREGON

Leonard E. Kunzman, State Director of Vocational Education

Daniel Dunham, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Model of Curriculum Development in Career Awareness and Exploration"
2. "Elementary Careers Oriented Relevant Education"
3. "Increasing the Vocational Awareness of Elementary School Children"
4. "Career Education: An Integral Part of Teacher Education"
5. "Student-Based Career Awareness Curriculum"
6. "Career Exploration Model Based Upon Transportable Project Components"
7. "Improvement of Instruction in Vocational Physics"

RESEARCH RELATED ACTIVITIES:

1. Conducted, attended, and participated in a variety of meetings, conferences and workshops
2. Monitored projects and participated in project evaluations
3. Conducted various inservice training activities
4. Made numerous presentations to professional groups
5. Reviewed incoming proposals and reports
6. Completed planning of SIXCO (Six Eastern Oregon Counties Career Education Program) proposal through meetings in area, submitted completed proposal, and conducted a major inter-agency meeting of Federal officials on the project

PROJECTS AND ACTIVITIES PLANNED:

1. Assist in development of new enrollment and followup system

2. Develop guidelines for applied research and exemplary project proposals and send to all local districts

3. Continue development of dissemination materials on all current and completed projects

4. Form and hold the first meeting of a new Ad Hoc Advisory Committee for Applied Research and Exemplary Projects

5. Complete processing of applications for new projects and submit copies to USOE

PENNSYLVANIA

John W. Struck, State Director of Vocational Education

Ferman B. Moody, RCU Director

PROJECTS COMPLETED:

1. "A Liaison Experience in the Utilization of a Professional Consultant in the Facilitation of Career Education Model Development"

NEW PROJECTS FUNDED:

1. "A Supply/Demand Model for Vocational Education Planners"

2. "An Analysis of the Characteristics of Students Enrolled in a Clerical Skills Laboratory Utilizing Self-Instructional Individualized Learning Packets Compared to Students Enrolled in Classes Utilizing the Conventional Method of Teaching Clerical Skills"

3. "A Study of Community College Students Who are Graduates of Vocational-Technical High School Curriculums"

4. "The Curriculum Needs of the Great Cities in Career Education"

5. "Implications for Organizational Change: A Survey of Student Perceptions of Alternative and Parallel Vocational Training Program Instructional Climates"

6. "An Academic and Economic Feasibility Study of a Continuing Education Program for Vocational Instructors of Food Service in Pennsylvania"

7. "Open Space Concept in Business Education"

8. "Exemplary English/Language Arts Curriculum Development Program for Vocational-Technical Education Students"

9. "Infra-Sound Therapy for Deaf Adults in a Work Preparation Program"

10. "Developmental Research - Agriculture"

11. "Pennsylvania Vocational Education Curriculum Center"

RESEARCH RELATED ACTIVITIES:

1. Hosted and participated in a conference on vocational education research and exemplary projects sponsored by USOE, Region III

2. Conducted ten workshops for guidance counselors to assist in the implementation of PENNscripts

3. Began the evaluation of five model career resource centers

4. Began refining and updating a manpower supply-demand model

PROJECTS AND ACTIVITIES PLANNED:

1. Complete evaluation of career resource centers

2. Establish a vocational-technical curriculum laboratory as an extension of the RCU's Vocational Education Information Network (VEIN)

3. Compile, publish and disseminate occupational manpower projection information

4. Assist local educational agencies to implement approved research (Part C) and exemplary (Part D) projects funded directly from USOE

RHODE ISLAND

Peter Bowen, State Director of Vocational Education

Jacqueline Nelson, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Management Information System"
2. "Opening Doors to the Future"
3. "Communications and Media"
4. "Career Awareness Requires Elementary Students (CARES)"
5. "Developing an Awareness of Career Opportunities"
6. "Project All About"
7. "Survival '72"
8. "Using Our Natural Resources in the World of Work"
9. "Vocations in Communications"
10. "The World of Work in the Natural Sciences"
11. "Career Awareness Program"
12. "WINS"
13. "Career Education"
14. "Exemplary Program in Career Education"

RESEARCH RELATED ACTIVITIES:

1. The State has been continuing its efforts in developing an MIS system for Vocational Education in Rhode Island

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of present projects and development of projects in Career Awareness on all educational levels

SOUTH CAROLINA

L. L. Lewis, State Director of Vocational Education

Gary J. Lashway, RCU Director

PROJECTS COMPLETED:

1. "Development, Review, Editing, Reproduction, and Statewide Dissemination of Fourteen Vocational Education Curriculum Guides Based on Behavioral Objectives"

2. "Development, Reproduction and Statewide Implementation of a Microfilm Occupational Information System (Project VIEW)"

NEW PROJECTS FUNDED:

1. "Development of a Guide for the Operation and Implementation of Adult Programs, Student Placement and Student Followup"

2. "The Continuation of the Development of a Statewide Curriculum in Graphic Communications, based on Behavioral Objectives and Self-Instructional Programs"

RESEARCH RELATED ACTIVITIES:

1. Implementation of a model Career Education program in Lexington School District #3

2. Implementation of projects in the Appalachian Region of South Carolina to enhance the Adult Vocational Programs, to provide Job Placement Services to secondary graduates of the Region's Area Vocational Centers and to plan and conduct a Guidance Practicum-inservice training for school counselors

3. Initiation of a project designed to investigate, evaluate and plan for the development of Curricula based upon Career Clusters, standardized core curriculum, self-instructional and self-paced curriculum

PROJECTS AND ACTIVITIES PLANNED:

1. Completion of the two (2) projects funded during this report period

2. First phase completion and continuation of the Career Education Project in Lexington School District #3

3. Initiation of an additional Career Education Project in a selected school district and completion of SDE staff expansion to provide support services to project district

4. Completion of statewide field testing and evaluation of Vocational Curriculum Guides and initiation of appropriate revisions

5. Completion of first year evaluation of Project VIEW, initiation of appropriate revisions in first updating effort and expansion of number of occupations from 120 to approximately 250

6. Completion of Appalachian Region Adult Vocational Education, Job Placement and Guidance Practicum Projects

7. Continuation of Career Cluster Analysis-Planning Project

8. Continuation and expansion of efforts to improve articulation between Industry-Education and Labor

9. Development of a Vocational Education Handbook for school administrators

10. Completion of a State survey of vocational teachers

SOUTH DAKOTA

E. B. Oleson, State Director of Vocational Education

E. B. Oleson, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "To Conduct a Feasibility Study on the Use of the Multi-District Concept"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

TENNESSEE

W. M. Harrison, State Director of Vocational Education

Garry R. Bice, RCU Director

PROJECTS COMPLETED:

1. "Followup Study of the Graduates of D.E., Central High School, Shelbyville, Tennessee"

2. "Southeastern States Salary Study"

3. "Incentive Program for Students in Vocational Agriculture"

4. "A Survey to Determine the Vocational Needs of the Community"

NEW PROJECTS FUNDED:

1. "Elementary INFOE, Knoxville," in Cooperation with Tennessee Valley Authority

2. "An Approach to Individualized Study in Vocational Agriculture at Gallatin Senior High School"

3. "Developing a Career Curriculum for Vocational English at Green Brier High School"

4. "Developing Job Sheets and Related Aids for Individualized Instruction in Machine Shop"

5. "An Emphasis on Student Vocational Education and A Study of Community Vocational Opportunities"

6. "Student Placement and Guidance"

7. "The Learning Packet Approach to Teaching Auto Mechanics/ Basic Electricity"

8. "A Study of the Needs of the Vocational Home Economics Program and the Development of a Course in Bachelor Living for the Maury City Public School"

RESEARCH RELATED ACTIVITIES:

1. Provided consultative services to various groups and agencies

2. Delivered a variety of presentations and talks

3. Attended various conferences and meetings

4. Printed numerous project reports

5. Disseminated materials on INFOE

6. Published the brochure, "A Look at Career Education in Tennessee"

7. Regular dissemination activities:

   a. disseminated 8,823 copies of the RCU Circulator

   b. reproduced and disseminated 1,727 microfiche titles

   c. completed 33 computer and 29 manual searches of the ERIC system

   d. approximately 400 persons used the RCU Library

   e. "Query" update printed and disseminated

   f. disseminated SDI to 31 post-secondary schools and to 314 secondary schools

8. Provided learning experiences for eight EPDA interns

9. Assisted various persons in writing proposals

10. Appointed to the Advisory Committee for pending exemplary project, "Community Guidance in Career Education," developed by the Montgomery County - Clarksville School System

11. Project INFOE - Information on 200 additional job titles edited and master aperture cards made

12. Project INFOE, 60 new decks disseminated, 100 updated decks

13. Prepared procedures and policies for 1972-73 Mini-Grants; processed first two approved Mini-Grants for 1972-73

14. Mailed completed 1971-1972 M.I.S. report to superintendents, principals and teachers

15. 1971-72 Vocational enrollment totals compiled for U.S.O.E. report

16. The implementation of Project INFOE was discussed at Alamo with the superintendent and also the possibility of using INFOE materials at Obion County

17. Aided in the completion of Instructional Units for Office Occupations Curriculum Project

18. RCU directors and regional coordinators attended meeting of Mini-Grant Review Committee at RCU

19. Preparation made for Manual for Student and Personnel Survey (MIS)

20. The Regional Resource Center was moved from Savannah Area School to Jackson State Community College and Jackson State Representatives were oriented to responsibilities of Research Resource Center (RRC)

21. Mailed and began receiving enrollments and personnel forms for Management Information System (M.I.S.)

22. Developed form for University of Tennessee Student Followup

23. Supervised development of new computer program for Enrollment and Followup portion of Management Information System (M.I.S.)

24. Established C eer Education Corner in RCU Library

25. Implemented and updated INFOE at approximately twelve schools, checking with counselors on progress and problems

PROJECTS AND ACTIVITIES PLANNED: NONE

TEXAS

John R. Guemple, State Director of Vocational Education

Ray Barber, RCU Director

PROJECTS COMPLETED:

1. "Teacher Training Program for Distributive Education"

2. "An Investigation of Vocational Counselor Effectiveness and Its Relationship to Selected Background and Personal Characteristics"

3. "Human Development for Career Students in the Community College: An Exploratory Study"

4. "The Development of Evaluative Criteria for Training of the Handicapped"

5. "A Study to Determine the Need for Occupational Education in Five South Plains Counties"

NEW PROJECTS FUNDED:

1. "Development and Implementation of a Texas Industrial Start-Up System"

2. "Job Placement and Followup"

3. "Student Perception of the Effectiveness of Area Vocational Secondary School Programs of Texas in Meeting Student Interest and Perceived Needs"

4. "High School Career Interest and Information Survey, Phase II"

5. "High School Career Interest and Information Survey, Phase III"

6. "A Pilot Program in Residential Construction and Technology"

7. "The Development of a Model for Establishing a New Health Career Education Program in a Community College"

RESEARCH RELATED ACTIVITIES:

1. Participated in a special project to computerize the statistics and financial inputs required for the preparation of the Annual Report for Vocational Education

2. Organized and participated in the Fall 1972 meeting of the Southwide Research Coordinating Council in Houston, Texas

3. Continued to participate in the activities of a special interagency task force to develop a comprehensive manpower supply/demand data system for the State of Texas

PROJECTS AND ACTIVITIES PLANNED:

1. Approval of approxmately 15 new research projects

2. Emphasis will continue to be placed on curriculum development projects, manpower needs and development studies, evaluation projects, and followup and placement studies. Continued emphasis will be placed on the role of occupational education as an integral part of the total career education process

3. Continued emphasis will be placed on the initiation of exemplary projects focused on career awareness, investigation, and exploration

4. Development and initiation of pilot-demonstration projects in occupational education for the handicapped will be continued

5. "The Annual Report for Vocational Education for Fiscal Year 1972 will be completed and forwarded to the USOE

UTAH

Walter Ulrich, State Director of Vocational Education

N. Craig Kennington, RCU Director

PROJECTS COMPLETED:

1. "Evaluation of June Annual Vocational Education Workshop Logan, Utah, 1972"
2. "Evaluation of 'COPE,' special high school guidance project"
3. "Evaluation of Simulation Programs in Office Occupations"
4. "Evaluation of VIEW Materials"
5. "Detailed Analysis of Selected Followup Data"
6. "Development and Evaluation of a Davis District Auto Salvage Program"
7. "Evaluation of Integrated Shop Program"
8. "Evaluation of 'World of Work' Project"
9. "Evaluation of Experimental 'Local Autonomy' Project"

NEW PROJECTS FUNDED:

1. "Evaluation of June Annual Vocational Education Workshop Logan, Utah, 1972"
2. "Study of Feasibility of Parent-Child Career Guidance Program"
3. "Review of State Surplus Property Program Compared to Federal Excess Property Program"
4. "Study of TV Series on Electronics for Trade and Industry Teachers"
5. "Assessment of Achievement of 1972 Vocational Work Shop Objectives"
6. "Study of Relationship between Students' Grooming Styles and Behaviors"

RESEARCH RELATED ACTIVITIES:

1. Attended American Vocational Education Research Association Convention

2. Participated in Research and Development staff retreat and Vocational Division staff retreat for planning and inservice activities

PROJECTS AND ACTIVITIES PLANNED:

1. Part C, Development project Alpine School District Junior High School Career Education - approval pending

2. Development of Junior High School Vocational Education Curriculum for Career Education

3. Determination of LEA compliance with State Plan Requirements in Part D Projects

4. Evaluation of Selected Special Disadvantaged Programs

5. Junior High School Vocational Education Curriculum in Career Education

6. Evaluation of World of Work Instructional Materials

7. Re-evaluation of Local Autonomy (fiscal accounting) Program

8. Feasibility Study: Career Guidance for Parents

VERMONT

Cola D. Watson, State Director of Vocational Education

Joseph P. Kisko, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "The Development and Testing of Health Education Learning Activity Packets for Students and Teachers of Vermont Schools, Grades 5-12 with Emphasis on Consumer and Homemaking"

RESEARCH RELATED ACTIVITIES:

1. Continue "Development of a Program that Will Bring Together All Education Programs in a County Serving Rural Areas"

2. Continue and complete "Research and Development Project in Career Education"

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of projects

2. Request letters of intent for projects on a small-grant basis

3. Discussion is being conducted to examine the need for a survey of teachers to determine teacher education needs

4. Plans are underway to develop an instrument to collect information for statistical report required in the Annual State Report

VIRGINIA

George S. Orr, State Director of Vocational Education

Carl E. Jorgensen, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Research Utilization and Information Diffusion"

2. "Vocational Education Evaluation Project"

3. "Computerized System for Vocational Education"

4. "Learning Resource Center"

RESEARCH RELATED ACTIVITIES:

1. Developed priorities for Career Education in Virginia

2. Held conferences to explain "Vocational Education Evaluation Project" to administrative personnel and vocational teachers

3. Started Pilot Followup for Reporting System

4. Prepared letter of assurance for new funding of Career Education Project

PROJECTS AND ACTIVITIES PLANNED:

1. Complete work on Reporting System
2. Continue "Vocational Education Evaluation Project"
3. Approve Research Application to be funded for Virginia Community College System and other Research Applications
4. Develop proposals for continuation of Career Education Programs

WASHINGTON

Arthur A. Binnie, State Director of Vocational Education

George P. Pilant, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Feasibility of Student Operated Business to Increase Number of On-the-Job Training Stations"
2. "Workshop on Career Awareness for Elementary Teachers"
3. "Co-operative Work Program for Handicapped Library Technical Aides"
4. "Individualized Instruction for Specific Business and Office D.O.T."
5. "BETTER"
6. "Utilizing Community Resources Cooperative Lay Counseling Program"
7. "Community Conference for Occupational Education"
8. "Inter-Disciplinary Health-Medical Services Vocational Training"
9. "Coordinated Occupational Education"

10. "World of Work - Greenhouse Operations"

11. "Workshop in Research and Career Education"

12. "Writing a Proposal for Developing Districtwide Self-Evaluation Instrument"

13. "Development of Child Care Attendant Occupational Class"

14. "Comparative Evaluation of Two Approaches for Disseminating Occupational Information Contained in VIEW"

15. "Guidelines for Distributive Education in the New Concepts of Career Education"

16. "Health Career Planning Guide"

17. "Preparation of Elementary Teachers for Career Education"

18. "Summer Cooperative Education Project"

19. "NYC/Careers Program"

20. "Develop the 3, 5 and 10 year plan for Vocational-Technical Education Research in the State of Washington"

21. "Development and Demonstration of a Followup Model Procedure"

22. "A Proposal for the Development of an Occupational Training Needs and Vocational Enrollment Forecast Model"

23. "Information Retrieval Center Products"

24. "Stochastic Estimation Model for Vocational Education Training Needs"

25. "A Survey of the Training Needs of Pesticide Applicators in Eastern Washington"

26. "Elementary Occupational Awareness: A VIEW Deck Study"

RESEARCH RELATED ACTIVITIES:

1. Attended several National and State conferences and workshops

2. Spoke at various meetings and workshops

3. Made site visits

PROJECTS AND ACTIVITIES PLANNED:

1. Increase and/or improve vocational education in grades 11 and 12
2. Improve articulation of vocational education programs from secondary to post-secondary institutions
3. Improve and increase vocational education in small schools (40 seniors or less)
4. Investigate the effect of the Professional Negotiations Act on Vocational Education programs, budgets and purchase of equipment

WEST VIRGINIA

Clarence E. Burdette, State Director of Vocational Education

Glenn E. Smith, RCU Director

PROJECTS COMPLETED:

1. "Feasibility Study for Vocational-Technical Needs in Ohio County"
2. "Identification of Educational and Training Needs of Unemployed Young Adults in Summers County"
3. "Basic Methods Course in Business for the Vocational Education Dropout in Man High School"
4. "Individualization of Instruction (Data Collection)"
5. "Research in Developing a Program in Basic Vocational Studies"

NEW PROJECTS FUNDED:

1. "A Comprehensive Plan for Development of Vocational Education in Boone County, West Virginia"

RESEARCH RELATED ACTIVITIES

1. Attended various conferences
2. Coordinated development and submission of Parts C and D Career Education proposals
3. Provided information services to individuals and agencies requesting services

4. Processed data collected in the implementation of vocational student and staff components of the West Viringia Comprehensive Data System for Vocational Education (CDS-VE)

5. Monitored approved Research and Exemplary Program Projects

6. Attended Regional Research and Exemplary Program Conference sponsored by the Region III Office, USOE

7. Prepared for distribution the following publications:

   RCU Record Volume I, Number II, Fall 1972 (circulation 2,000)

   Projects Funded in West Virginia Through Authority of Vocational Education Amendments of 1968 (P.L. 90-576) (300 copies)

   Instructions and Procedures for the Development of Research Proposals in Vocational Education (300 copies)

PROJECTS AND ACTIVITIES PLANNED:

1. Monitoring of approved research and exemplary projects

2. Continue development of the West Virginia Comprehensive Data System for Vocational Education (CDS-VE)

3. Provide consultative services to local school systems

4. Provide educational informational services to users

WISCONSIN

Eugene Lehrmann, State Director of Vocational Education

Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. "A History of the Methods of Becoming Established in Dairy Farming in The Royall High School District 1962-1971"

2. "Trends in Dairy Barn Construction"

3. "Instrument for Evaluation of Basic Education"

4. "Role of Instructional Research"

5. "Room Utilization Report"

6. "Report on the Use of the Professional Library"

7. "Study of Equipment Inventory Control"

8. "Northeastern Nebraska Survey -- Junior College Curriculum Study"

9. "HEGIS Report"

10. "Development of Core Curriculum for Pollution Abatement and Control Technicians"

11. "Student Profiles 1972-73"

12. "Needed Abilities Analysis for the Dental Assisting Program"

NEW PROJECTS FUNDED:

1. "Individualized Instruction for Rural Disadvantaged"

2. "Individualized Instruction for Rural Fire Service Instructors"

3. "Manpower Needs in Southwest Wisconsin"

4. "Model Internship in Fashion Merchandising"

5. "Citizen Expectations of Post-Secondary VTAE"

6. "Computer Augmented Accounting"

7. "VTAE Programs Sponsored by Business, Labor, and Government"

8. "Identification of Services to Disadvantaged and Handicapped"

9. "Vocationally Coordinated Curriculum for General Education"

10. "Family Approach to Career Education"

11. "Interaction of Learning Styles with Learning Experiences"

12. "Job Analysis for Vocational-Technical Occupations"

13. "Task Analysis of Vocational Coordination"

14. "Manpower Needs of Recreation Industry in Northeastern Wisconsin"

15. "Multi-Research and Development Project Grant"

16. "Study of Recreation Education Needs in Northwestern Wisconsin"

17. "Convergence Research Project"

18. "Graduate Student Mini-Research Grant"

19. "Study of Individualized Instruction in Business Education"

20. "Evaluation of Secretarial Science Program"

21. "Evaluation of Psychology and Human Relations"

22. "Field Testing Teacher Education Curriculum for Mentally Handicapped"

23. "Competencies in Food Service"

24. "Career Education Assessment"

25. "Development of Visual Materials for Manufacturing Processes"

26. "Evaluation of Pilot Courses in Mentally Handicapped"

27. "Evaluation of Automotive Curriculum"

RESEARCH RELATED ACTIVITIES:

1. Provided consultative service to various State and local education agencies and provided assistance to graduate students

2. Disseminated "Bits About Research"

3. Supplied 630 microfiche titles to 50 requestors

4. Began planning inservice sessions for fiscal year 1973

5. Developed State plan for professional staff development under Part F of EPDA. Under this plan $35,000 will be used for (a) Doctoral Intern Program, (b) Project Upgrade: Administrative Leadership in Vocational Curriculum Development, and (c) a Vocational Leadership Development Seminar

6. Continued an exemplary project on articulation of occupational information, programs and placement in VTAE II

7. Identified the following research priorities for fiscal year 1973:

   a. Manpower Needs

   b. Individual Career Expectations

   c. Evaluation

PROJECTS AND ACTIVITIES PLANNED: NONE

WYOMING

Fred P. Black, State Director of Vocational Education

Fred P. Black, RCU Director

PROJECTS COMPLETED:

1. "Career Planning Profile for Community College Vocational Guidance"
2. "Business and Office Occupation Survey in Albany County"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Assisted in the completion of Fiscal Year 1973 Wyoming State Plan for Occupational Education
2. Conducted six State workshops for Exemplary Career Education project directors
3. Completed Department Management Information effort on pupil and program accounting
4. Completed Fiscal Year 1972 Annual Report for Occupational Education
5. Assisted in Fiscal Year 1973 Occupational Education EPDA Plan of Action

PROJECTS AND ACTIVITIES PLANNED:

1. Collect data for annual followup report
2. Complete evaluation of Fiscal Year 1973 research proposals
3. Consultation with local district and community colleges for Fiscal Year 1974 program planning

PUERTO RICO

Rafael Ortiz, Acting State Director of Vocational Education

Amalie Ll. De Charneco, RCU Director

PROJECTS COMPLETED:

1. "Job Analysis and Curriculum Development for Eight Trade and Industry Occupations"
2. "Followup Study of Graduates of Vocational and Technical Education Courses, 1970-71"
3. "Study to Identify and Classify Handicapped Students Enrolled in Vocational and Technical Education Courses"

NEW PROJECTS FUNDED:

1. "Business Vocabulary Count in Spanish"
2. "Followup Study of Graduates of Vocational and Technical Education Courses, 1971-72"
3. "Study on Training Needs on Specialized Vocational Agriculture in Puerto Rico"
4. "Study to Evaluate Student's Achievement in the Different Business Subjects at the Mayaguez Educational Region"
5. "Curriculum Development Basic to the Training of Individuals for Employment in Agri-Business"
6. "Development of Guides and Tests for Self-Study in Business Education for Youth and Adults"
7. "Adaptation of the Industrial Arts Curriculum Through the Implementation of the Course 'The World of Construction' in Twelve Rural-Junior-High Schools"
8. "Curriculum Development for a Course in Pharmacist Assistants for the Health Occupations Program"
9. "Evaluation of the Home Economics Occupational Education Program in Puerto Rico 1970-71 and 1971-72"
10. "Followup Study of Graduates of the Televised Course on Automobile Electromechanics"
11. "Enrichment of the Office Practice Course at the Post-secondary Level and Organization of a Model Office"
12. "Career Education Program at Palmarejo Rural Second Unit in Lajas School District to Acquaint Elementary and Junior High School Students with Career Possibilities"

13. "The Training of Disadvantaged and Unemployed Youngsters on Methods and Techniques of Modern Agriculture for the Production, Collection, Classification, Packing and Cooperative Marketing of Vegetables and Minor Crops"

14. "A Model State Pedagogical Resource Center for Designing Producing, Testing, Revising and Disseminating Teaching, Audiovisual and other Educational Materials for Students of Regular, Special and Post-secondary Programs For Vocational and Technical Education in Puerto Rico"

RESEARCH RELATED ACTIVITIES:

1. Analyzed and revised the student followup data system for Federal reporting requirements

2. Emphasized Program Accountability and Personnel Training

3. Continued with reorganization of the four different components within the RCU

PROJECTS AND ACTIVITIES PLANNED:

1. Continue supervising and coordinating the Research and Exemplary projects assigned to the PR-RCU

2. Continue reorganizing and restructuring the PR-RCU and the State Pedagogical Resource Center

3. Contract the Revision of Curriculum for Ten Occupations in the Field of Trade and Industry

4. The implementation of two research projects :

   a. "Home Economics Occupational Education"

   b. "Televised Course in Electromechanics"